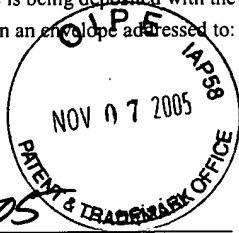


I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

PATENT  
Attorney Docket No.: 021167-001100US

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450



On

3 Nov. 2005

TOWNSEND and TOWNSEND and CREW LLP

By:

Malinda Adafit

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

BALINT and HER

Application No.: 10/677,131

Filed: September 30, 2003

For: METHODS FOR AFFINITY  
MATURATION

Customer No.: 20350

Examiner: Teresa D. Wessendorf

Art Unit: 1639

INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR §1.97 and  
§1.98

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

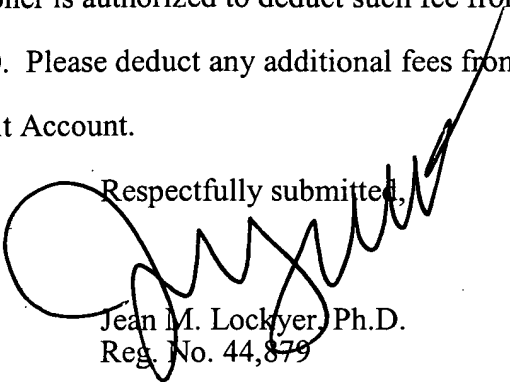
The references cited on attached forms PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement.

However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Jean M. Lockyer, Ph.D.  
Reg. No. 44,879

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JML:mcd  
60627568 v1



<b>Substitute for form 1449A</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/677,131		
		Filing Date	September 30, 2003		
		First Named Inventor	Balint, Robert F.		
		Art Unit	1639		
		Examiner Name	Teresa D. Wessendorf		
Sheet	1	of	2	Attorney Docket Number	021167-001100US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
	A1	6,270,964 B1	08/07/2001	Michnick et al.	
	A2	6,294,330 B1	09/25/2001	Michnick et al.	
	A3	6,342,345 B1	01/29/2002	Blau et al.	
	A4	2002/0155502 A1	10/24/2002	Balint et al.	
	A5	2003/0157579 A1	08/21/2003	Balint et al.	
	A6	2003/0175836 A1	09/18/2003	Blau et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A7	WO	00/71702	A1	11/30/2000	Panorama Research, Inc.		<input type="checkbox"/>
	A8	WO	01/51629	A2	07/19/2001	Panorama Research, Inc.		<input type="checkbox"/>
	A9	WO	98/44350	A1	10/08/1998	Board of Trustees Leland Stanford Junior University		<input type="checkbox"/>

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.  
60627568 v1

Substitute for form 1449B/PTO			<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number	10/677,131	
			Filing Date	September 30, 2003	
			First Named Inventor	Balint, Robert F.	
			Art Unit	1639	
			Examiner Name	Teresa D. Wessendorf	
Sheet	2	of	2	Attorney Docket Number	021167-001100US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	A10	CHEN, L., <i>et al.</i> , "Highly sensitive biological and chemical sensors based on reversible fluorescence quenching in a conjugated polymer," <u>PNAS</u> , October 26, 1999, Vol. 96, NO. 22, 12287-12292	
	A11	JOHNSSON, N. <i>et al.</i> , "Split ubiquitin as a sensor of protein interactions in vivo," <u>Proc. Natl. Acad. Sci. USA</u> October 1994, Vol. 91, pp. 10340-10344	
	A12	PETROSINO, Joseph <i>et al.</i> ; "Contributions of aspartate 49 and phenylalanine 142 residues of a tight binding inhibitory protein of $\beta$ -lactamases"; <u>The Journal of Biological Chemistry</u> ; January 22, 1999; pp. 2394-2400; Vol. 274, No. 4; The American Society for Biochemistry and Molecular Biology, Inc.; USA	
	A13	ROSSI, F., <i>et al.</i> , "Monitoring protein-protein interactions in intact eukaryotic cells by $\beta$ -galactosidase complementation," <u>Proc. Natl. Acad. Sci. USA</u> , August 1997, Vol. 94, pp. 3405-3410	
	A14	STRYNADKA, Natalie C. J. <i>et al.</i> ; "Structural and kinetic characterization of a $\beta$ -lactamase-inhibitor protein"; <u>Nature</u> ; April 14, 1994; pp. 657-660; Vol. 368	

Examiner Signature		Date Considered	
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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.